

24-8-5/34

The oblique impact of a lamina on a fluid. (Cont.)

of a central impact on water of structures, the load-carrying element of which is a lamina. It is assumed that the initial vertical component of the velocity of the lamina v_0 is small by comparison with the constant horizontal component u . It is assumed that the water is incompressible. Such a formulation of the problem leads to the question of the unestablished motion of an infinite fluid about a thin profile with a surface of discontinuity of horizontal velocities attached at the trailing edge. The problem of the unestablished motion of a thin profile with the surface of discontinuity was formulated by Wagner (1) and investigated by Keldysh, M.B. and Lavrentev, M.A. (2) and Sedov, L.I. (3). Sedov first applied the methods of the theory of the unestablished flow about a wing to the problem of unestablished hydro-planing. In this paper, these methods are extended to the case of the unestablished motion caused by the free impact of a lamina on the undisturbed surface of a fluid. There are 4 figures and 7 references, 6 of which are Slavic.

SUBMITTED: November 17, 1956.

AVAILABLE: Library of Congress

Card 2/2

YEGOROV, I. T.

I. T. Yegorov, Cand. Technical Sci. (Leningrad), gave a paper "Hydrodynamische Kraefte am Tragfluegel bei instationaerer Bewegung," at the Shipbuilding Technology Meeting, Warnemuende, GDR, in 1958.

SO: Schiffbautechnik, June 1959, Uncl.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962430005-1

YEGOROV, I. T. (Leningrad)

" Hydrodynamic Forces in the Unsteady Motion of a Wing."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 60

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962430005-1"

S/229/62/000/004/001/003
I006/I206

AUTHOR: Yegorov, I.T., Dr. Technical Sciences

TITLE: Non steady forces on lifting wings of light speed
boats in disturbed conditions

PERIODICAL: Sudostroyeniye, no.4, 1962, 13-14

TEXT: Thin airfoil theory is applied to the calculation of influence of a harmonic wave disturbance at water level upon hydrodynamic lift acting on submerged wings. The theory is applied to the special case of a wing moving with zero angle of attack and zero angular velocity at a depth equal to disturbance wave length. There are 3 figures.

Card 1/1

YEGOROV, I. T. (Cand. Tech. Sci.) (Leningrad)

"Hydrodynamische Kraefte am Tragfluegel bei instationarer Bewegung,"

paper presented at the Shipbuilding Technology Meeting, Warnemuende, GDR, 1958

SO: Schiffbautechnik, June 1959

CHUVIKOVSKIY, V.S., referent; NOVOZHILOV, V.V., referent; PERNIK, A.D.,
referent; YEGOROV, I.T., referent; TITOV, I.A., referent;
FIRSOV, G.A., referent; BOYTSOV, G.V., inzh.; BASIN, A.M., referent

Scientific engineering conference on hydromechanics and structural
mechanics of ships. Sudostroenie 24 no.7:86-87 J1 '58. (MIRA 11:9)
(Naval architecture--Congresses)

BUN'KOV, M.M., inzh.; YEGOROV, I.T., kand.tekhn.nauk

Ninth Technological Conference on the Theory of Ships. Sudostroenie
27 no.4:81-83 Ap '61. (MIRA 14:3)
(Naval architecture--Congresses)

BUN'KOV, M.M., inzh.; YEGOROV, I.T., doktor tekhn.nauk

Out-of-town Session of the Department on Seaworthiness in the
Scientific Technological Society for Shipbuilding. Sudostrcenie
28 no.4:83 Ap '62. (MIRA 15:4)
(Naval architecture)

BASIN, M.A.; YEGOROV, I.T.; ISAYEV, I.I.; KRAMAREV, Ye.A.; SADOVNIKOV, Yu.M.
(Leningrad)

"Some features of the use of gaseous media to change hydrodynamical characteristics of solids moving in a fluid"

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 January - 5 February 1964

L 61861-65 EWT(d)/EWT(1)/EWP(m)/EWT(m)/FA/EPF(n)-2/EWA(d)/T-2/EWA(w)
Pd-1/Pu-4 Wm

AM5016673

BOOK EXPLOITATION

UR /

629.124.8:502

33
04

Yegorov, Ivan Timofeyevich; Sokolov, Vitaliy Timofeyevich

Hydrodynamics of high-speed vessels (Gidrodinamika bystrokhodnykh sudov) Leningrad, Izd-vo "Sudostroyeniye", 1965. 383 p. illus., biblio. 2100 copies printed.

TOPIC TAGS: hydrofoil, equilibrium flow, unsteady flow, lifting surface force, hydrofoil resistance, hydrofoil lateral stability, air cushion vessel

PURPOSE: This book is intended for use by scientific workers, design engineers, and those specializing in ship's hydromechanics.

COVERAGE: This book reports the results of theoretical investigations of the hydrodynamics of gliding vessels, hydrofoil vessels, and ACV's. Main attention has been devoted to methods of calculating the hydrodynamic characteristics of the lifting surfaces of these ships as well as methods for determining their seaworthiness.

Card 1/3

L 61861-65
AM5016673

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Ch. II. Unsteady hydrodynamic characteristics of hydrofoils -- 104

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foil -- 104

B. Hydrodynamic forces on a hydrofoil in unsteady motion -- 139

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Ch. III. Unsteady hydrodynamic forces during interaction between
the lifting surfaces of ships and the free surface of the
water -- 199

A. Hydrodynamic forces during impact with water -- 199

B. Gliding in swelling seas -- 239

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A. Hydrodynamic calculation of foil systems -- 250
B. Resistance and running conditions of hydrofoil vessels -- 270
C. Lateral stability of hydrofoil vessels -- 291
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Ch. V. Peculiarities of calculating the performance of high-speed
vessels -- 305
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Ch. VI. Some aerodynamic problems of air-cushion vessels -- 350
Bibliography -- 380

SUB CODE: ME SUBMITTED: 12Mar65 NO REF Sov: 053

OTHER: 026

Card 1/3

L 08195-67 EWT(c)/EWT(1)/EWT(m)/EWP(w)/EWP(o)/EWP(k) IJP(c) EM
ACC NR: AP6030122 SOURCE CODE: UR/0421/66/000/004/0181/0185

AUTHOR: Yagorov, I. T. (Leningrad)

ORG: none

TITLE: Unsteady state motion of a system of thin submerged hydrofoils

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 4, 1966, 181-185

TOPIC TAGS: unsteady flow, hydrofoil, fluid flow

ABSTRACT: The article treats the unsteady state motion of a thin hydrofoil submerged under the free surface of a liquid to a depth h (see Fig. 1).

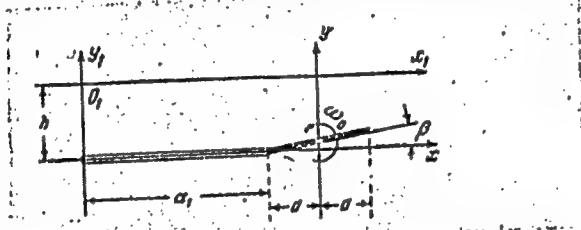


Figure 1.

Card 1/2

L 08195-67

ACC NR: AP6030122

26

It is assumed that the hydrofoil is a flat plate with a chord $(-a, a)$ inclined to the flow at a small angle of attack β . The hydrofoil moves with a velocity u_0 in a positive direction with respect to the real axis. There are also vertical and rotational perturbations, with the small velocities y' and ω_0 , respectively. Assuming that the motion of the hydrofoil starts from a position of rest, and neglecting in the Lagrange integral the ponderability and the quadratic absolute velocities of the motion of the liquid, we get for the potential of the velocity Φ on the free surface the following boundary conditions: $\varphi = 0$, $y_1 = 0$ ($-\infty < z < \infty$) (1.1)

The author proceeds to the solution of the problem on the above basis. Orig. art. has: 25 formulas and 5 figures.

SUB CODE: 20 / SUBM DATE: 27Feb66 / ORIG REF: 004 / OTH REF: 002

Card 2/2 dda

YEGOROV, I.V., master

Operation and repair of the No. 222 engineer's brake valve.

Elek. i tepl. tiaga 3 no.4:13-15 Ap '59.

(MIRA 12:7)

1. Avtomatnyy ysekh elektrovochnogo depo Moskva III, Severnaya
doroga.

(Electric railroads--Brakes--Maintenance and repair)

YEGOROV, I.V.; ZOLOTAREV, A.M.

Practical training in a one-year agricultural school. Veterinaria 30 no.9:7-8 8 '53. (MLRA 6:8)

1. Direktor Georgiyevskoy gosudarstvennoy odnogodichnoy sel'skokhozyaystvennoy shkoly po podgotovke mladshikh veterinarnykh fel'dsherov (for Yegorov). 2. Zaveduyushchiy uchebnoy chastyu shkoly (for Zolotarev).

YEGOROV, I.V.

Possibility of using chloroform in current anesthesiological practice. Khirurgiia 39 no.7:54-62 Jl'63 (MIRA 16:12)

1. Iz kafedry obshchey khirurgii (zav. -- prof. V.A. Ivanov) lechebmogo fakul'teta II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I.Pirogova na baze 13-y Gorodskoy klinicheskoy bol'nitsy Moskvy (glavnnyy vrach N.A.Nikolayeva).

YERMOLOV, A.S.; KREYNDLIN, Yu.Z.; YEGOROV, I.V.; BOCHAVER, O.S.; KAL'TER, I.S.

Use of indirect cardiac massage in clinical practice. *Khirurgija*
40 no.7:36-40 Jl '64. (MIRA 18:2)

1. Kafedra obshchey khirurgii lechebnogo fakul'teta (zav. - prof.
V.A. Ivanov) II Moskovskogo gosudarstvennogo meditsinskogo insti-
tuta imeni Pirogova.

L 1653-66 ENT(m)/EMP(t)/EMP(k)/EMP(b)/EMA(c) JD/M

ACCESSION NR: AP5021620

UR/0286/65/000/013/0101/0101
621.979.994.002.54

AUTHOR: Shofman, L. A.; Gedvin, Yu. Yu.; Roshkov, V. M.; Starikov, V. S.;
Kryuchkov, M. N.; Davydov, G. V.; Akhmetshin, M. V.; Kvitnitskiy, A. N.; Rogozinsky, A. A.;
Rogozinsky, A. A.; Leykin, V. I.; Yegorov, I. V.; Roytberg, L. Kh.; Yermakov, M. Z.;
Rodionov, A. S.

TITLE: Method for tube extrusion, Class 49, No. 172601

SOURCE: Byulleten' izobreteny i tovarnykh znakov, no. 13, 1965, 101

TOPIC TAGS: metal, metal tube, metal extrusion, tube extrusion

ABSTRACT: This Author Certificate introduces a method for tube extrusion from solid ingots. In this method the metal is first divided into several strips which are subsequently welded in the next die. In order to reduce the extrusion pressure, the diameter of the ingot should be smaller than that of the extruded tube. [Az]

ASSOCIATION: none

SUBMITTED: 30Jan62
NO REP Sov: 000
Card 1/1 DP

ENCL: 00
OTHER: 000

SUB CODE: NL 26
ATD PHASE: 4093

L 1655-66 ENT(d)/ENT(m)/EXP(v)/EXP(t)/EXP(k)/EXP(b)/EXP(l)/EWA(c)
JD/HW
ACCESSION NR: AP5021621

UR/0286/65/000/013/0102/0102
621.979.984.002.5b 69

AUTHOR: Shofman, L. A.; Gadymin, Yu. Yu.; Rozhkov, V. M.; Starikov, V. S.;
Kryuchkov, M. N.; Davydov, G. V.; Akhmetshin, M. N.; Kvintitskiy, A. N.;
Rozozinskiy, A. A.; Feygin, V. I.; Yegorov, I. V.; Rostbarg, Kh.; Yermanok, M. Z.;
Rodionov, A. S.

TITLE: Tool for extruding of tubes. Class 69, No. 172602

SOURCE: Byulleten' izobreteni i tovarnykh znakov, no. 13, 1965, 102

TOPIC TAGS: tube, metal tube, tube extrusion, extrusion tool, extrusion press

ABSTRACT: This Author Certificate introduces a tool for the extrusion of tubes from solid ingots, i.e., container, mandrel, welding chamber, and die. In order to increase the rigidity of individual tools and ensure their precise position in relation to one another, thereby improving the accuracy of the extruded tubes, the mandrel is rigidly mounted in relation to the container; it carries an internal die and is provided with a central compartment for the ingot. Radial canals connect this compartment with the welding chamber, which is formed between container wall and the mandrel surface. [AZ]

Card 1/2

L 1655-66
ACCESSION NR: AP5021621

ASSOCIATION: none

SUBMITTED: 31Jan62

NO REF Sov: 000

ENCL: 00

OTHER: 000

SUB CODE: MM

ATD PRESS: 4095

Card 2/2, Pp

YEGOROV, I.V. (Leningrad)

Deep soil stabilization by urea formaldehyde resin. Osn., fund. i
mekh. grun. 7 no.51-3 '65. (MIRA 18:10)

ACC NR: AP602144,

SOURCE CODE: UR/0413/66/000/011/0050/0051

INVENTOR: Yegorov, I. V.

ORG: none

TITLE: A method for melting the surfaces of objects made of refractory metals.
Class 21, No. 182264

SOURCE: Izobreteniya, promyshlennyye obraztay, tovarnyye znaki, no. 11, 1966, 50-51

TOPIC TAGS: metallurgy, metallurgic process, metal industry, electric arc, induction melting

ABSTRACT: This Author Certificate presents a method for melting the surfaces of objects made of refractory metals. To improve the quality of the objects, the melting is accomplished by two forms of heating -- by induction melting and by electric arc.

SUB CODE: 13/ SUBM DATE: 22Nov62

Card 1/1

UDC: 621.365.69

YEGOROV, I.Ye.; VISHNEVETSKIY, I.M., glavnyy inshener.

Ways of improving Moscow's elevator industry. Gor.khoz.Mosk.30
no.6:21-25 Je '56. (MIRA 9:9)

1.Upravlyayushchiy trestom "Liftremont" (for Yegorov).
(Moscow--Elevators)

YEGOROV, I.Ye.; VISHNEVETSKIY, I.M., inzh.

Renovation of elevators in Moscow. Gor. khoz. Mosk. 32
no. 8:13-16 Ag '58. (MIRA 11:9)

1. Upravlyayushchiy trestom "Liftremont" (for Yegorov).
(Moscow--Elevators)

YEGOROV, I.Ye.; VISHNEVETSKIY, I.M.; GREYMAN, Yu.V.

New equipment for elevators. Gor.khoz.Mosk. 36 no.1:15-19
Ja '62. (MIRA 16:1)
(Elevators)

YEGOROV, I.Ye.; VISHNEVETSKIY, I.M.

The elevator system and its needs. Gor. khoz. Mosk. 37 no.11:
19-23 N '63. (MIRA 17:1)

1. Upravlyayushchiy trestom "Liftremont" Moskovskogo gorodskogo
zhilishchnogo upravleniya (for Yegorov). 2. Glavnnyy inzhener
tresta "Liftremont" Moskovskogo (for Vishnevetskiy).

YEGOROV, K., kand.tekhn.nauk

Automatically controlled grab gantry cranes. Rech. transp. 19
no. 6:39-40 Je '60. (MIRA 14:2)
(Cranes, derricks, etc.) (Automatic control)

YEGOROV, K., kand.tekhn.nauk

Experience in operating an arrangement for the automatic racing
of electric motors on cranes. Rech.transp. 21 no.11:16-18
N '62. (MIRA 15:11)
(Cranes, derricks, etc.--Electric driving) (Automatic control)

YEGOROV, K., kand.tekhn.nauk; KHABENSKIY, M., kand.tekhn.nauk

Drives with electromagnetic powder sliding sleeves. Rech. transp.
22 no.2:15-17 F '63. (MIRA 16:5)
(Couplings--Testing) (Electric cranes)

YEGOROV, K., obshchestvennyy trener

Obligations of society members. Kryl. no. 15 no. 21 P. 66
(MFA USA)

1. Tul'skiy aeroklub.

LIVYY, G.V.; GAL'PEROVICH, M.G.; VASILYUK, N.Z.; SOPRIKO, A.Ye.;
KAZARINA, N.I.; CHURINA, V.I.; GIL'MAN, B.A.; YEGOROV, K.A.;
GONCHAR, Ye.G.

Method of refining the skin side of fur articles made with low
grade peltrey; Soviet Certificate of Inventions No.147290. Kozb.-
obuv.prom. 4 no.8:43 Ag '62. (MIRA 15:8)
(Fur industry--Technological innovations)

EGOROV, K. A.

Mekhanizatsiya transporta osnovnykh tsekhov mashinostroitel'nykh zavodov.
Moskva, Mashgiz, 1949. 179 p. diagrs.

Bibliography: p. (174)

Mechanizing the transportation in the principal shops of machine-building
plants.

DIC: TJ1350.Eh9

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

YEGOROV, KRONIG ALEKSEVICH.

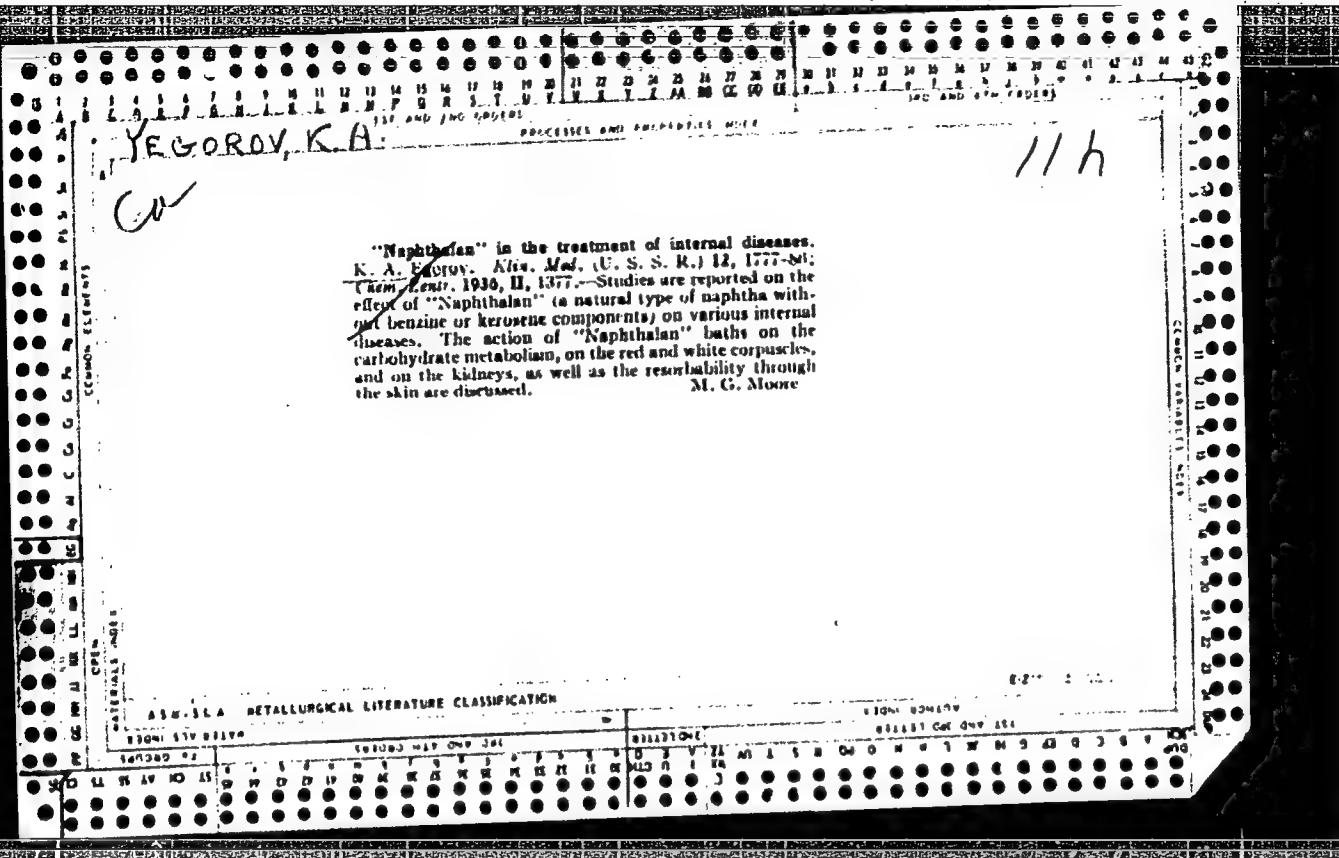
Mekhanizatsiya pogruzochno-razgruzochnykh rabot v metallurgii. Leningrad,
Metallurgizdat, 1949. 267 p. illus.

Bibliography: p. (260)-263.

Mechanization of loading and unloading operations in metallurgical plants.

DLC: TJ1350.E48

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.



YEGOROV, K. A.

Osnovy mekhanizatsii pogruzochnorazgruzochnykh rabot v metallurgii (Principles of
the mechanization of loading and unloading operations in metal industry) Izd. 2.,
perer. i dop. Moskva, Metallurgizdat, 1952. 430 p. illus., diagrs., tables.
"Literatura": p. (422)-423.

SO: N/5
741.5
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1952

YEGOROV, Kronid Alekseyevich, dotsent, kandidat tekhnicheskikh nauk;
SIDOROV, V.N., redaktor; EVENSON, I.M., tekhnicheskiy redak-
tor.

[Railroad transportation for industrial enterprises; a general course] Zheleznodorozhnyi transport promyshlennyykh pred-
priatii; obshchii kurs. Moskva, Gos. nauchno-tekhnicheskoe
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955.382 p.
(Railroads) (MLRA 9:5)

YEGOROV, K.A., kandidat tekhnicheskikh nauk.

Remote control of gantry cranes. Rech.transp.14 no.10:17-19
0 '55. (MIRA 9:1)

1.Nachal'nik laboratorii mekhanizatsii i avtomatzatsii
gruzovykh rabot TSentral'nogo nauchno-issledovatel'skogo
instituta EVT.
(Cranes, derricks, etc.) (Remote control)

YEGOROV, KONNID ALEXANDREVICH

N/5
755
.Y7

ZHELENODOROZHNYY TRANSPORT PROKSYH-LENNYKH PRIDPRIYATIY. (RAILWAY
TRANSPORT IN INDUSTRIAL ENTERPRISES) MOSKIVA, METALLURGIZDAT, 1955
382 p. ILLUS., DIAGRS.,

YEGOROV, K., kandidat tekhnicheskikh nauk.

Semiautomatic and remote control of gantry cranes by means of
switch control panels. Mor.flot 16 no.5:7-10 My '56. (MLRA 9:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i
ekspluatatsii vodnogo transporta.
(Cranes, derricks, etc.) (Remote control)

YEGOROV, K.A.

YEGOROV, K.A., kand.tekhn.nauk.

Automatizing the operation of clam-shell winches on electric
cranes. Rech.transp. 16 no.9:32-34 S '57. (MIRA 10:12)
(Winches) (Automatic control)

AUTHOR: Yegorov, K.A., Candidate of Technical Sciences 118-58-5-12/18

TITLE: Methods of Automation of Loading-Unloading Work (Puti avtomatizatsii pogruzochno-razgruzochnykh rabot)

PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1958, Nr 5
pp 34 - 36 (USSR)

ABSTRACT: The automation of loading and unloading operations is lagging behind the automation of production processes. At present, complex automation can be carried out only for loose goods - coal, grain, cement, etc., and only under certain conditions, can partial automation be realized for other type goods. The author then turns to the work of devices for continuous and cyclic operations. For the most part, the former consists of several conveyers working in succession, and the automatic control of the electric motors of these machines. With a great number of machines, the control of the installation can be centralized by using low-voltage boards and intermediate amplification. The first stage of automating the work of electrical machines of cyclic operation is the automation of crane electric drive and conversion to key control with intermediate amplification. The first cranes converted to semi-automatic key con-

Card 1/2

Methods of Automation of Loading-Unloading Work

118-58-5-12/18

trol have been designed by the Laboratory for Automation of Loading Work of the Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta (TsNIIEVT) (Central Scientific Research Institute of the Water Transport Economy and Exploitation). They are operating in the Moscow southern and the Leningrad commercial harbours. The key control system with intermediate amplification gives, in case of need, a safe remote-control from a portable desk. The next stage of automation of grab crane control is the automation of grab winch work. Cranes with complete automation of inner-cycle operation are still being experimented upon. A brake has been designed by the Laboratory of Loading Work Automation of the TsNIIEVT by which a railroad car can be stopped exactly at the point where it is to be discharged or loaded. This is done by a remote control maneuvering hoist, furnished with a brake. There is one drawing and 1 photo.

AVAILABLE: Library of Congress

Card 2/2 1. Cargo-Handling-Automation 2. Cargo handling-Equipment

SMIRNOV, Ye.V., kand.tekhn.nauk; YEGOROV, K.A., kand.tekhn.nauk

Tasks and methods of mechanizing and automating loading and unloading operations at river ports. Rech.transp. 17 no.10:19-21
0 '58. (MIRA 11:12)

(Loading and unloading) (Harbors)

YEGOROV, K.

Combined control key for gantry cranes with two panels. Mor.flot
18 no.3:11-14 Mr '58. (MIRA 11:4)

1. Nachal'nik laboratorii avtomatizatsii gruzovykh rabot TSentral'nogo
nauchno-issledovatel'skogo ekonomiki i ekspluatatsii vodnogo
transporta.

(Cranes, derricks, etc.) (Automatic control)

SMEKHOV, Anatoliy Alekseyevich, kand.tekhn.nauk. Prinimal uchastiye
YEGOROV, K.A., kand.tekhn.nauk. IEFIMOV, G.P., red.;
MDVDEVA, M.A., tekhn.red.

[Principles of the automatization of loading and unloading
operations] Puti avtomatizatsii pogruzochno-razgruzochnykh
rabot. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei
soobshcheniya, 1960. 113 p. (MIRA 13:9)
(Loading and unloading) (Automatic control)
(Railroads--Freight)

YEGOROV, Kronid Alekseyevich; REYNGOL'DF, Yu.A., retsenzent; MEKLER,
A.G., red.; LOBANOV, Ye.M., red.izd-va; BODROVA, V.A.,
tekhn.red.

[Automatic control of loading and unloading machines and
equipment in harbors] Avtomatizatsiya upravleniya portovymi
peregruzochnymi mashinami i ustanovkami. Moskva, Izd-vo
"Techno transport." 1960. 167 p. (MIRA 13:11)

(Harbors--Equipment and supplies)
(Cargo handling--Equipment and supplies)

YEGOROV, K.A., kand.tekhn.nauk; KHABENSKIY, M.Ya., kand.tekhn.nauk

Automated started of asynchronous motors with a phase rotor using
electronic starting devices. Prom. energ. 15 no.12:15-17 D '60.

(MIRA 13:12)

(Electric motors, Induction--Starting devices)

YEGOROV, K.D.

G.M. Krzhizhanovskii and soviet science on economic zoning.
Obshch. energ. no.6:6-13 '63. (MIRA 16:10)

(Krzhizhanovskii, Gleb Maksimilianovich, 1872-)
(Economic zoning)

EGROROV, Konstantin Dmitrievich,ed. ... iroi voditel'nye sily Tsentral'noe-
promyslennosti oblasti. Trudy Obchestvoi konferentsii po izucheniiu estestvennykh
prirodnykh sil TSO. 2-11 fevralia 1924 g. [Ed obshch ei re . F.S.
Egorova. Moskva, Izd-vo Gosplanu SSSR, 1925. ix, 372 p. /Russia (1923- U.S.S.R.)
Gosudarstvennaya planovaya komissiya/ Trudy Gosplanu, kn. V)

DLC. HC335.24

SO: LC, Soviet Geography, Part I, 1951, Uncl.

YEGOROV, Konstantin Dmitrievich.

EGOROV, Konstantin Dmitrievich. Ekonomika raionov SSSR. Moskva, Gosizdat, 1928. 78 p.
DLC: E0335.E37

SO: LC, Soviet Geography, Part I, 1951, Uncl.

LEONOV, Leonid Ivanovich; YEGOROV, K.D., redaktor; LAVRENT'IEVA, Ye.V.,
redaktor.

[In high latitudes; notes of a naturalist] V vysokikh shirotakh; za-
piski naturalista. Moskva, Gos. izd-vo zoogr. lit-ry, 1953. 119 p.
(Arctic regions— Zoogeography) (MLRA 7:7)

YEGOROV, Konstantin Dmitriyevich; USPENSKAYA, N.V.; ISLENT'YEVA, P.G.,
tekhnicheskly redaktor.

[The courageous polar explorer, G.IA.Sedov] Otvazhnyi poliarnyi
issledovatel' G.IA.Sedov. Moskva, Izd-vo "Znanie," 1954. 21 p.
(Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i
nauchnykh znanii. Ser. 3, no.30) (MLRA 7:8)
(Sedov, Georgii Iakovlevich, 1877-1914) (Arctic regions)

VEGOROV, Konstantin Dmitriyevich; MOSHKIN, A.S., red.; VOIKOV, I.V., tekhn.
red.

[For the Russian North; history of the conquest of the Russian
North and the struggle with foreign aggressors over the northern
sea route] Za russkii Sever; iz istorii osvoeniia russkogo Severa
i bor'by s inozemnymi agressorami za severnye morskie puti. Murmansk,
Knizhnaia red. "Poliarnoi pravdy," 1957. 104 p. (MIRA 11:10)
(Arctic regions)

YEGOROV, K.D., kand.ekon.nauk; TROSHINA, A.P.; KOVALEV, P.P.; NOVIKOVA, A.A.; LAGUTINA, M.V.; VOLNINA, N.A.; SHESTAKOVA, R.V.; AKIMCHENKO, O.Ye.; KULEBAKIN, V.S., akademik, red.; VEITS, V.I., red.; BUTENKO, A.F., kand.filosof.nauk, red.; RYBINSKIY, M.I., red.; CHASHNIKOVA, M.V., red.; NIZHNYAYA, S., red.; VOSKRESENSKAYA, T., red.; CHEKHUTOVA, V., red.; RKLITSKAYA, A.D., red.; CHEPELEVA, O., tekhn.red.

[Works of the State Commission for the Electrification of Russia; documents and materials] Trudy Gosudarstvennoi komissii po elektrifikatsii Rossii GOELRO; dokumenty i materialy. Red.komissii: V.S.Kulebakin and others. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960. 306 p. (MIRA 14:2)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya komissiya po elektrifikatsii Rossii. 2. Chlen-korrespondent AN SSSR (for Veits). (Electrification)

YEGOROV, K.D., kand. ekon. nauk; ALEKSANDROVA-ZAORSKAYA, V.V., doktor ekon. nauk, prof.; STEPANOV, P.N., doktor geogr. nauk, prof.; KULEBAКIN, V.S., akademik, red.; KRUZHILIN, G.N., red.; FEDOROV, A.G., red.; KUBINSKIY, M.N., red.; CHASHNIKOVA, M.V., red.

[Materials on the electrification of individual districts]
Materialy po elektrifikatsii otdel'nykh raionov; trudy.
Moskva, Izd-vo "Nauka," 1964. 299 p. (MIRA 17:4)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya komissiya po elektrifikatsii Rossii. 2. Chlen-korrespondent AN SSSR (for Krushilin).

YEGOROV, K.F., kand.yurid.nauk

Legal consequences of the deviation of sea freighters from their
course. Inform.sbor.TSNIIMF no.34:36-43 '58. (MIRA 14:3)
(Maritime law)

1/EGOROV, K.G.

В. В. Шатров
Звонок в АТС за 10 минут с промежуточным разъединением линий

Г. А. Волков
Использование магнитного ферритового элемента в цепи управления избирательными АТС

Д. Н. Ильинов
Алгоритм бесконтактного звонка при срабатывании вспомогательных линий для избирательных АТС

М. Р. Немцов
Некоторые дополнительные возможности образования электронных АТС

В. А. Громов,
З. С. Котенев
Аварийное бесконтактное питание избирательных соединений линий в реестре

9 звонок
(с 10 до 22 часов)

В. А. Голиков
Аппаратура второй автоматической индукторной телефонной связи

20

Г. В. Балтеров

Оптимизация работы систем звонков для избирательных телефонных станций

Г. З. Касимов

Применение бесконтактных элементов для зонирования в аппаратуре АТС

10 звонок

(с 10 до 18 часов)

Г. В. Егоров ~~Установка телефонных линий в гостиницах~~~~Организация телефонной связи~~

Новая система управления линиями избирательных станций

С. С. Котенев

Магнеторезонансные фильтры для избирательных систем дальней связи

А. К. Овчинников

Некоторые вопросы о телефонной связи избирательных линий при производстве групповых телефонных и телеграфных установок

А. О. Чубриков

Серии избирательных фильтров по работе звонков

21

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VEBSE), Moscow,
8-12 June, 1959

YEGOROV, K. I.

Torgovlya Grammofonnymi Plastinkami (Trade in Gramophone Records, By) K. I.
Yegorov, D. S. Maksimov (1) I. M. Sizov. Moskva, Gostorgizdat, 1952.
79 P. Illus., Diagrs., Tables (V Pomoshch' Prodavtsu i Zaveduyushchemu Sektsiyey
Promtovarnogo Magazina).

SO N/5
749.4
.Y4

SEKT, P.Ye.; T.SLEJKO, F.F.; GAYCOVY, A.A.; GIMEL'SHTEYN, T.Ye.; YEGOROV,
K.N.; LITVINENKO, M.S.

Revision of the existing prices of coke chemicals and coker-oven gas.
Kok's i khim. no.2:47-50 '61. (MIRA 14:2)

1. Khar'kovskiy inzhenerno-ekonomicheskiy institut (for Sekt, Teslenko).
2. Giprokoksi (for Gaycovy, Gimel'shteyn, Yegorov). 3. Khar'kovskiy nauchno-issledovatel'skiy uglekhimicheskiy institut (for Litvinenko).
(Coke industry--By-products) (Chemicals--Prices)
(Coke-oven gas--Prices)

YEGOROV, K.N.

Shortcomings of the actual price list for coal fuel. Koks i
khim. no.4:50-53 '61. (MIRA 14:3)
(Coal--Prices)

AGALETSKIY, P.N., laureat Stalinskoy premii; YEGOROV, K.N.

Using balance arm as a measuring instrument in the investigation of
knife support systems of pendulum instruments. Trudy VNIIM no.11:18-30
'50. (MIRA 11:6)

(Pendulum)

AGALETSKIY, P.N.; YEGOROV, K.N.

Results of investigations conducted at the Leningrad Scientific Research Institute of Metrology to determine the absolute gravitational acceleration. Izm.tekh.no.6:29-34 N-D '56. (MIRA 10:1)

(Gravity—Measurement)

AGALETSKIY, B.M.; YEGOROV, K.N.; MARTSINYAK, A.I.; YANOVSKIY, B.M., prof.
red.; ARUTYUNOV, V.O., doktor tekhn.nauk, prof., otvetstvenny red.;
MATVEYEVA, A.Ye., tekhn.red.

[Absolute determination of the acceleration of gravity at the
All-Union Scientific Research Institute of Metrology.] Absolut-
nye opredeleniya uskorenija sily tiazhesti v punke VNIIM. Moskva,
Gos. izd-vo standartov "STANDARTGIZ." 1958. 89 p. (Leningrad.
Vsesoyuznyi nauchno-issledovatel'skii institut metrologii. Trudy
no.32)

(MIRA 11:11)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo intituta metro-
logii im. D.I. Mendeleyeva (for Arutyunov).
(Gravity)

SOV/169-59-5-4487

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 5, pp 30 - 31
(USSR)

24.4200

AUTHORS: Agaletskiy, P.N., Yegorov, K.N., Martsinyak, A.I.

TITLE: The Absolute Determinations of the Acceleration of Gravity at
the VNIIM Station ✓

PERIODICAL: Tr. Vses. n.-i. in-ta metrol., 1958, Nr 32 (92), 91 p, ill.

ABSTRACT: Determinations of the absolute value of g, carried out in Washington (1936) and in Teddington (1938) yielded discrepancies of up to 20 mgal in comparison with the Potsdam system. Such large discrepancies were considered to have resulted from inaccuracies in method and insufficient evaluations of systematic errors of the measurement. Therefore, the Research Institute of Metrology in Leningrad paid a special attention to the detailed clarification of the nature of the sources of systematic errors and the methods for their exclusion, when developing the methods for fundamental determination of g. The studies were begun in 1940, interrupted by the war, and finished in 1956. X

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SOV/169-59-5-4487

The Absolute Determinations of the Acceleration of Gravity in the VNIIM Station

The measurements were carried out by way of three independent methods:
1) joined fall of bodies; 2) free fall of a body; 3) swinging pendulums.
Three swinging pendulums with various reduced length of 40, 60 and 75 cm
were used in the measurements. The rods of the pendulums were made of
fused quartz glass, the bobs of brass bars. The two ends of the pendulum
rods were provided with grooves covered with quartz plates. This way,
openings were formed at the ends of the rods, inside of which cushions of
hard glass were put on the quartz plates. All the parts made of quartz and
glass were connected by the forces of molecular cohesion. The pendulums
were swinging alternately within a copper vacuum vessel on fixed knife-edges
produced of a special tool steel. The whole set-up was placed on concrete
posts in a room the temperature of which was maintained constant by conditioning.
The distances between the support bearings of the pendulums have been determined
with a gaging machine, with an error which did not exceed 0.6μ . The swinging
period has been determined by using the signals of a standard generator, the
maximum error of which is smaller than $3 \cdot 10^{-8}$ sec. The duration of swinging
in each individual experiment was 15 - 20 min. The adjusted value of g from

Card 2/5

SOV/169-59-5-4487

The Absolute Determinations of the Acceleration of Gravity in the VNIM Station

the observations of the swinging pendulums was found to be 981.9187 ± 0.0004 cm/ sec^2 . Using the method of joined fall, the falling was observed in the staircase of the building of the Institute of Metrology; a metallic cylinder was falling from a height of 14 m. Within the cylinder and simultaneously with the cylinder, a brass frame was falling. Magnetic recorders fixed on the falling cylinder, slid along the vertical steel wires and marked magnetic marks on the wires during the fall of the cylinder. The recorders were operated by pulses from a stable generator with a frequency of 62.5 cps. The same pulses caused the flashing of an inertia-free bulb which illuminated a slit within the cylinder. The image of the slit was projected onto a photographic plate fixed on the frame falling within the cylinder. As the air of atmospheric pressure was within the cylinder, the results of observation were corrected for the effect of air. The temperature of the various sections of the steel wires was determined by means of some thermocouples. Prior to measuring the distances between the magnetic marks, the wires were strewn with iron filings forming on them characteristic strokes. The measuring of the wires was carried out by means of a calibrating tape and a metric standard on a horizontal stand. The strokes formed on the photographic plate of the falling

X

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SOV/169-59-5-4487

The Absolute Determinations of the Acceleration of Gravity in the VNIIM Station

frame, were measured by means of a gaging machine. The value of g was computed from the position of the frame in relation to the marks on the wires and was adjusted by the method of the least squares from 21 falls; the result was $981.9215 \pm 0.0016 \text{ cm/sec}^2$. Using the method of free fall of a body, a metric rod was falling within an evacuated copper vessel. A photo-emulsion coated the plane opposite faces of the quartz parts of the rod, and the image of the immovable slit, periodically illuminated by the flashes of an inertia-free bulb, was projected onto the photoemulsion. The bulb was operated by the pulses from a quartz timekeeper with the transformed frequency of 125 and 250 cps. The setup was placed in the gravimetric basement of the Institute where the fluctuations of temperature are very small. Fifteen falls of the rod were observed. The distances between the marks on the emulsion layer of iron were determined by means of the gaging machine. After carrying out the necessary corrections, the values of g were adjusted by the method of least squares. The final result of these experiments amounts to $981.9224 \pm 0.0020 \text{ cm/sec}^2$. The values of g for the point of the investigations in the

X

Card 4/5

SOV/169-59-5-4487

The Absolute Determinations of the Acceleration of Gravity in the VNIIM Station
Potsdam system amounted to 981.9308. Therefore, the new determinations of g
differ from the value in this system by 12.6 mgal (for the pendulums), by
9.3 mgal (for the joined fall of bodies), and by 8.1 mgal (for the free fall
of a body). Bibl. 34 titles.

Yu.S. Dobrokhotov

✓

Card 5/5

YEGOROV, K.N.

Measuring the absolute value of gravity acceleration. Izm.
tekhn. 20 no.1:63 Ja '59. (MIRA 11:12)
(Gravity--Measurement)

S/115/60/000/008/003/013
B019/B063

AUTHORS:

Yegorov, K. N., Martsinyak, A. I.

TITLE:

Determination of the Absolute Value of Gravitational Acceleration for the Location of the VNIM

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 8, pp. 10-11

TEXT: The Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni D. I. Mendeleyeva (VNIIM) (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleyev) carried out research work from 1947 to 1960 for the determination of gravitational acceleration g . g was determined with torsional pendulums according to acceleration g . g was determined with torsional pendulums according to Agaletskiy's method and according to the joint fall of two bodies (P. N. Agaletskiy's method) and according to the free fall of a quartz rod (A. I. Martsinyak's method). This work was, for the major part, finished in 1956, and the results were discussed at the Ninth General Assembly of the International Union of Geodesy and Geophysics which was held in Toronto in September, 1957. The high scientific value of this work was recognized at this conference. Further experiments were made from

Card 1/2

Determination of the Absolute Value of
Gravitational Acceleration for the Location
of the VNIIM

S/115/60/000/008/003/013
B019/B063

1957 to 1959 by Agaletskiy's and Martsinyak's methods, in which bearing plates of molten quartz were used for the pendulums instead of glass plates. These experiments were intended to show that the results of measurement did not depend on the material of the bearing plates. g was determined from the free fall of a quartz rod in such a way that light pulses of a certain frequency incided upon the quartz rod which was coated with a photosensitive layer. g was then calculated from the increasing spacing of the blackenings. 245 values were determined by these methods with an average of $981.9192 \text{ cm/sec}^2$. A value of $981.919 \pm 0.003 \text{ cm/sec}^2$ is recommended for metrological work. A value of $59^{\circ}55'06''$ is given for the latitude of the location of the VNIIM (Leningrad); the longitude is $+2.7''$ west of Pulkovo, and the height above sea-level is 3.5 m. There are 1 table and 5 Soviet references.

Card 2/2

YEGOROV, K.N.

Methods of determining the absolute value of gravity from interference
measurements of the path of free fall. Izv. AN SSSR, Ser. geofiz.
no.9:1348-1356 S '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I.Mendeleyeva.

YEGOROV, K., sud'ya vsesoyuznoy kategorii; GONCHARENKO, V., absolyutnyy champion Ukrayny po planernomu sportu; KILNA, A.; EPERMANIS, Z.

In soaring flight. Kryl. rod. 16 no.9:7 S '65.

(MIRA 18:12)

1. Nachal'nik Liyepayskogo obshchestvennogo kluba (for Epermanis).

KUSHNIR, F.V., ovt.red.; GAVRILOV, A.P., zasluzhennyy deyatel' nauki i tekhniki, prof., red.; DOLUKHANOV, M.P., prof., red.; YEGOROV, K.P., dots., red.; ZHDANOV, I.M., prof., red.; ZELYAKH, E.V., prf.y., red.; ZELIGER, N.B., prof., red.; LEBEDEV, K.N., dots., red.; ODNOL'KO, V.V., dots., red.; ROMANOVSKIY, V.B., [deceased], dots., red.; POMICHENY, I.N., dots., red.; SHINIBEROV, P.Ya., dots., red.; SHMAKOV, P.V., zasluzhennyy deyatel' nauki i tekhniki prof., red.; GAL'CHINSKAYA, V.V., tekhn.red.

[Structure and reactivity of organic compounds] Voprosy stroenija i reaktsionnoi sposobnosti organicheskikh soedinenii. Leningrad, 1959. 372 p. (Leningrad. Elektrotekhnicheskii institut sviazi. Trudy, no.8). (MIRA 13:11)

(Chemistry, Organic)

(Chemical structure)

YEGOROV, K. P.

Osobennosti proektirovaniia sistem dal'nei vysokochastotnoi sviazi po kabeliam.
[Special features of designing the systems of long distance high-frequency cable
communication]. Moskva, Izd-vo let-ry po voprosam sviazi i radio, 1949.
107 p. diagrs., tables.

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

YEGOROV, K. P.

Yegorov, K. P. "A differential system of long-distance communication with unequal arms," Sbornik trudov Leningr. elekrotekhn. in-ta svyazi im. Bonch-Bruyevicha, Issue 4, 1949, p. 55-63

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

YEGOROV, K. P.

"Differential Systems of Long-Distance Communications Equipment," Sbornik
Trudov LEIS imeni Bonch-Bruyevich, No 6, 1949.

YEGOROV, K? P.

29214 Dal'nyaya svyaz'. Priroda, 1949, No. 9, s. 15-28

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

YEGOROV, K. P.

USSR/Electronics - Combined Systems Carrier Telephony

Jul 52

"Long-Distance High-Frequency Telephone Communications Along Electric Power Transmission Lines," Cand Tech Sci I. K. Bobrovskaya, Ya. L. Bykhovskiy and K. P. Yegorov and Engrs B. S. Klebanov, V. I. Medvedev, and N. K. Myakochina

"Elektrichestvo" No 7, pp 41-46

Gives basic data for apparatus EPO-1 (single-sideband, 84 one-way channels) designed for hf telephony along power transmission lines. Work was begun in 1945 by Central Sci Res Elec Eng Lab, and prototypes were developed, with participation of this lab, by plant of Min of Commun Equip Ind in conjunction with Chair of Long-Distance Commun of Elec Eng Inst of Commun imeni Bonch-Bruyevich. Experimental samples of EPO-1 have been placed in continuous operation. Submitted 19 Oct 51.

PA 237T41

YEGOROV, K.P.; DAVYDOV, G.B., otvetstvennyy redaktor; GOROKHOVSKIY, A.V.,
redaktor.

[Transmission of television signals over long-distance communica-
tions lines] Peredacha televizionnykh signalov po liniiam dal'nei
sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1953.
33 p. (Lektsii po tekhnike sviazi) (MIRA 7:4)

(Television--Transmitters and transmission)

YEGOROV, K. P.

PHASE I BOOK EXPLOITATION

Koshcheyev, I.A.

202

Osnovy teorii elektricheskoy svyazi. Lineynnye sistemy s sosredotochennymi parametrami (Fundamentals of Electric Communication. Linear Systems with Lumped Parameters) Moscow Svyaz'izdat, 1954. 370 p. 20,000 copies printed.

Resp. Ed.: Yefimov, I. Ye.; Ed.: Ogarkov, P.F.; Tech. Ed.: Sokolova, R.Ya.; Reviewers (mentioned in Preface): Zelyakh, E.V., Prof., Yegorov, K.P., Docent, and Sadovskiy, A.S., Docent

PURPOSE: The book is intended as a textbook for students of higher technical schools (vtuz) specializing in communications. It was approved by the Main Administration of Schools of the Ministry of Communications of the USSR.

COVERAGE: See Table of Contents.
There are 6 references, all of which are Soviet (including 1 translation).

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Fundamentals of Electric Communication

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AVAILABLE: Library of Congress (TK 5101 .K6)

JJP/ksv
7-26-58

Card 9/9

YEGOROV, K.P., dotsent, kandidat tekhnicheskikh nauk.

Terminology in theoretical electrical engineering. Elektrичество
no.3:72 Mr '54. (MLRA 7:4)

1. Kafedra dal'ney svyazi LEIS im. Bonch-Bruyevicha.
(Electric engineering--Terminology)

YEGOROV, K.P., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk;
VOSTOKOV, M.N.; NECHAY, F.A.; GURVITS, Sh.F.

Remarks on IU.M.Korobov's article "What a telephone apparatus should
be like." Vest.sviazi 14 no.2:30-31 I '54. (MLRA 7:5)

1. Zaveduyushchiy kafedroy LEIS (for Yegorov). 2. Glavnnyy inzhener
3-go Glavnogo upravleniya MNEEP (for Vostokov). 3. Ispolnyayushchiy
obyazannost' inzhenera Kiyevskoy gorodskoy telefonnoy seti (for Nechay).
4. Nachal'nik proizvodstvennoy laboratorii (for Gurvits).
(Korobov, IU.M.) (Telephone—Apparatus and supplies)

Translation M-888, 12 Dec 55

YEGOROV, K. P.

PHASE I BOOK EXPLOITATION

453

Yegorov, K. P. and Tikhonov, G. P.

Konstruirovaniye apparatury dal'ney svyazi (Designing of Long-distance Communications Equipment) Moscow, Gosenergoizdat, 1955. 422 p. 5,000 copies printed.

Ed.: Stipakov, I. S.; Tech. Ed.: Voronetskaya, L. V.

Reviewer: G. G. Borozdiuk.

PURPOSE: The monograph is intended for electrical engineers, but may also be used by technicians and students in the higher grades at vtuzes offering courses in electrical engineering.

COVERAGE: Account is given of technical designs and methods on which is based the construction of modern long-distance communications systems. Data on equipment components and design of units are presented in close connection with the technology of their production. Soviet equipment design and problems of mounting and shielding are reviewed. Reference data are contained in appendices.

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Designing of Long-distance Communications Equipment

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